

IN THE SPECIFICATION:

*Please replace to paragraph beginning at page 6, line 20 with the following:*

FIG. 1 depicts the large-scale architecture of a wireless communications system according to one embodiment of the present invention. Transmitter 100 communicates with receiver 105 through communications channel 104. Transmitter 100 contains transceiver element (used as a transmitting unit) 115, data module 125, modulator/encoder 110, controller 122 and antenna 140. Controller 122 calculates modulation/encoding scheme 150 from quality measure 155 sent from receiver 105 and transmits this information to modulator/encoder 110. Modulation/encoding scheme 150 is used by modulator/encoder 110 to modulate and encode data retrieved from data module 125. The modulated/encoded data is sent to transceiver element 115 for transmission through antenna 140 onto communications channel 104. Receiver 105 contains decoder 120, controller 122, transceiver element (used as a receiving unit) 115 and antenna 140. Transceiver element 115 is coupled to antenna 140 and communications channel 104 from which data is received. Data is sent from transceiver element 115 to decoder 120, which is controlled by controller 122. Decoder 120 outputs decoded data 152 and quality measure 155, which might for